

FORM PTO-1390 (REV. 10-2003)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER  AOK-04-1320	
<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b>				U.S. APPLICATION NO. (If known, see 37 C.F.R. 2.5) <b>10/516483</b>	
INTERNATIONAL APPLICATION NO. PCT/JP03/06711		INTERNATIONAL FILING DATE 28 May 2003 (28.05.03)		PRIORITY DATE CLAIMED 31 May 2002 (31.05.02)	
TITLE OF INVENTION FUEL CELL-USE HUMIDIFIER					
APPLICANT(S) FOR DO/EO/US Nozomu Tanihara and Toshimune Yoshinaga					
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:					
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol> <p><b>Items 11 to 20 below concern document(s) or information included:</b></p> <ol style="list-style-type: none"> <li>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98.</li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.</li> <li>13. <input type="checkbox"/> A preliminary amendment.</li> <li>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 C.F.R. 1.76.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. 1.821 - 1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li>20. <input checked="" type="checkbox"/> Other items or information: Amendment Under Article 34 (5 pages)</li> </ol>					

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <div style="font-size: 2em; font-weight: bold; margin-top: 5px;">10/516483</div>		INTERNATIONAL APPLICATION NO. PCT/JP03/06711		ATTORNEY'S DOCKET NUMBER AOK-04-1320	
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21. <input checked="" type="checkbox"/> The following fees are submitted: <b>BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(5)):</b> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO.....\$1100.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO.....\$950.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO.....\$790.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4).....\$750.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4).....\$100.00 <div style="text-align: center; font-weight: bold;">ENTER APPROPRIATE BASIC FEE AMOUNT =</div> Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				<b>CALCULATIONS PTO USE ONLY</b>																					
				\$ 950.00																					
				\$																					
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:20%;">CLAIMS</th> <th style="width:20%;">NUMBER FILED</th> <th style="width:20%;">NUMBER EXTRA</th> <th style="width:20%;">RATE</th> </tr> </thead> <tbody> <tr> <td>Total Claims</td> <td>5 -20=</td> <td>0</td> <td>X \$18.00</td> </tr> <tr> <td>Independent claims</td> <td>2 - 3=</td> <td>0</td> <td>X \$88.00</td> </tr> <tr> <td colspan="3">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td>+ \$300.00</td> </tr> <tr> <td colspan="3" style="text-align: right;"><b>TOTAL OF ABOVE CALCULATIONS</b></td> <td>= \$1,250.00</td> </tr> </tbody> </table>				CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	Total Claims	5 -20=	0	X \$18.00	Independent claims	2 - 3=	0	X \$88.00	MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$300.00	<b>TOTAL OF ABOVE CALCULATIONS</b>			= \$1,250.00		
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE																						
Total Claims	5 -20=	0	X \$18.00																						
Independent claims	2 - 3=	0	X \$88.00																						
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$300.00																						
<b>TOTAL OF ABOVE CALCULATIONS</b>			= \$1,250.00																						
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. +																									
<b>SUBTOTAL</b>				= \$1,250.00																					
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).																									
<b>TOTAL NATIONAL FEE</b>				= \$1,250.00																					
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				+																					
<b>TOTAL FEES ENCLOSED</b>				= \$1,250.00																					
				Amount to be refunded:																					
				charged:																					

a. ☒ A check in the amount of \$1,250.00 to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. 50-2719 in the amount of \$\_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any  
overpayment to Deposit Account No. 50-2719. A duplicate copy of this sheet is enclosed.

d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card**  
information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed  
and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

T. Daniel Christenbury, Reg. No. 31,750

**Customer No. 035811, whose contact information is:**  
**IP Department of Piper Rudnick LLP**  
**One Liberty Place, Suite 4900**  
**1650 Market Street**  
**Philadelphia, PA 19103**  
**(215) 656-3381**

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit	:		Customer No. 035811
Examiner	:		
Serial No.	:		
Filed	:	Herewith	
PCT No.	:	PCT/JP2003/006711	
PCT Filed	:	May 28, 2003	
Inventors	:	Nozomu Tanihara	Docket: AOK-04-1320
	:	Toshimune Yoshinaga	
Title	:	HUMIDIFYING APPARATUS	Conf. No.:
	:	FOR FUEL CELL	Dated: November 30, 2004

**MAIL STOP PCT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**37 CFR 1.10**  
**EXPRESS MAIL CERTIFICATION**

"Express Mail" mailing label number: EV548522702

Date of Deposit: November 30, 2004

DESCRIPTION OF CONTENTS: Postcard, \$1,250.00 Check, Application Transmittal Letter, Form PTO-1390, in duplicate, English translation of PCT Application as it was filed including 38 pages of Specification, 2 pages of Claims, 1 page of Abstract, 2 sheets of drawings, Amendment Under Article 34 (5 pages), Application Data Sheet (1 page), copy of Request (5 pages), copy of Forms PCT/IB/301 and 332, PCT/IPEA/409 and 416, first page of WO 2004/004044 A1 and International Search Report, Information Disclosure Statement with Form PTO-1449 and executed Combined Declaration, Power of Attorney and Petition.

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to **Mail Stop PCT**, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Regina Belitz

(Typed or printed name of person mailing paper or fee)

(Signature of person mailing paper or fee)

DT05 Rec'd PCT/PTO 30 NOV 2004

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit	:	Customer No. 035811
Examiner	:	
Serial No.	:	
Filed	:	Herewith
PCT No.	:	PCT/JP2003/006711
PCT Filed	:	May 28, 2003
Inventors	:	Nozomu Tanihara
	:	Toshimune Yoshinaga
Title	:	HUMIDIFYING APPARATUS
	:	FOR FUEL CELL
		Docket: AOK-04-1320
		Conf. No.:
		Dated: November 30, 2004

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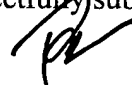
**APPLICATION TRANSMITTAL LETTER****MAIL STOP PCT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

We submit herewith for filing in the U.S. Patent and Trademark Office an English translation of the above-identified PCT Application as it was filed including 38 pages of specification, 2 pages of claims, 1 page of abstract, 2 sheets of drawings, Amendment Under Article 34 (5 pages), Application Data Sheet (1 page), a copy of the Request (5 pages), copy of Forms PCT/IB/308 and 332, PCT/IPEA/409 and PCT/IPEA/416, first page of WO 2004/004044 A1 and International Search Report, Information Disclosure Statement with Form PTO-1449, an executed Combined Declaration, Power of Attorney and Petition, Form PTO-1390, in duplicate, and our check in the amount of \$1,250.00, comprising the official filing fee.

Respectfully submitted,



T. Daniel Christenbury  
Reg. No. 31,750  
Attorney for Applicants

TDC:rmb  
(215) 656-3381